



Mr. James Saric, Remedial Project Manager
USEPA Region 5
77 West Jackson Boulevard (SR-6J)
Chicago, IL 60604-3507

ARCADIS
10559 Citation Drive
Suite 100
Brighton
Michigan 48116
Tel 810.229.8594
Fax 810.229.8837
www.arcadis-us.com

Subject:

Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies Monthly Progress Report
Area 1 – Morrow Dam to Plainwell Dam (February 2009)

SEDIMENTS

Dear Jim:

Date:

March 16, 2009

Attached is the 24th monthly progress report for the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site Supplemental Remedial Investigation/Feasibility Study (SRI/FS) – Area 1. This progress report is submitted as per Paragraph 37 of the February 2007 Administrative Settlement Agreement and Order on Consent (AOC) for Remedial Investigations/Feasibility Studies (Docket No. V-W-07-C-864), as well as Section 7.1 of the associated Statement of Work (SOW). If you have any questions, please do not hesitate to contact me.

Contact:

Michael J. Erickson, P.E.

Phone:

810.225.1924

Email:

michael.erickson@
arcadis-us.com

Sincerely,

ARCADIS

Michael J. Erickson, P.E.
Associate Vice President

Our ref:

B0064539.00014 #2

Attachments

Copies:

Michael Berkoff, USEPA
Sam Chummar, USEPA
Michael Ribordy, USEPA
Paul Bucholtz, MDEQ (with Attachment A)
Jeff Keiser, CH2M HILL (with Attachment A)
Todd Goeks, NOAA (with Attachment A)
Kathy Huibregtse, RMT Inc.
J. Michael Davis, Esq., Georgia-Pacific LLC
Garry Griffith, P.E., Georgia-Pacific LLC
Paul Montney, P.E., Georgia-Pacific LLC
L. Chase Fortenberry, P.G., Georgia-Pacific LLC

**MONTHLY PROGRESS REPORT FOR THE ALLIED PAPER, INC./PORTAGE CREEK/
KALAMAZOO RIVER SUPERFUND SITE SRI/FS
AREA 1 (MORROW DAM TO PLAINWELL DAM)**

REPORT #24, FEBRUARY 2009

**PREPARED BY ARCADIS
MARCH 16, 2009**

ON BEHALF OF THE KALAMAZOO RIVER STUDY GROUP (KRSG)

SUBMITTED TO

**JAMES SARIC, REMEDIAL PROJECT MANAGER
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA)**

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/
Kalamazoo River Superfund Site SRI/FS – Area 1**

REPORT #24, FEBRUARY 2009

**Significant Developments and Activities during the Period, Including Actions Undertaken
Pursuant to the AOC and SOW**

- In February, ARCADIS worked with USEPA and the Peer Review Manager to prepare materials for the February 26 public meeting. These materials included a two-page fact sheet summarizing the results of the peer review as well as power point presentations describing the process and recommendations from the panel.
- On February 5, legal counsel for Millennium Holdings, LLC (MHLLC) notified USEPA that MHLLC was stopping work under the AOC.
- On February 11, USEPA provided comments to Georgia-Pacific on the December 2008 *Source Investigation at the Former Kalamazoo and Hawthorne Mill Properties* report. This report is discussed in Section 2.2.1.1 of the SOW.
- On February 16, ARCADIS submitted to USEPA the Semi-Annual Progress Report for the period from August 2008 through January 2009. This submittal is discussed in Section 7.2 of the SOW.
- On February 16, ARCADIS submitted to USEPA the Annual Area Work Report for Areas 2 through 7, as discussed in Section 1.1.1 of the SOW.
- On February 18, ARCADIS notified USEPA of the upcoming post-removal surface sediment sample collection at the Plainwell Time-Critical Removal Action (TCRA) area. This sampling is discussed in Section 3.4.5 of the Area 1 SRI/FS Work Plan.
- On February 21, ARCADIS submitted to USEPA an updated certificate of insurance, as discussed in Paragraph 92 of the AOC.
- On February 24, ARCADIS forwarded to USEPA a sampling plan for the Former Georgia-Pacific Kalamazoo Mill Lagoons 4 and 5. The results from this sampling effort will be used to supplement the information provided in the December 2008 *Source Investigation at the Former Kalamazoo and Hawthorne Mill Properties* report.
- On February 25, ARCADIS submitted to USEPA a groundwater monitoring well installation plan regarding the Plainwell TCRA. These wells are discussed in Section 3.4.6 of the Area 1 SRI/FS Work Plan.
- On February 26, USEPA held a public update meeting in Plainwell.

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/
Kalamazoo River Superfund Site SRI/FS – Area 1**

REPORT #24, FEBRUARY 2009

- The KRSG awaits USEPA's response to the letter requesting USEPA's data usability determination for existing data for purposes of the SRI/FS, which was submitted to USEPA on August 27, 2007. These data are described in Section 1.1.2 of the SOW.
- The KRSG awaits USEPA's comments on the remaining two Multi-Area FS documents described in Section 1.2.2 of the SOW (Preliminary Remedial Technology Screening [Section 1.2.2.1] and Preliminary Permitting/Equivalency Requirements [Section 1.2.2.3]) and the Candidate Technologies and Testing Needs Technical Memorandum (described in Section 4.1 of the SOW), which were submitted to USEPA on February 22, 2008.

Data Collected and Field Activities Conducted during the Period

- No data were collected and no field activities were conducted in February 2009.
- On February 2, ARCADIS requested approval from USEPA to discontinue the surface water quality monitoring program associated with the Plainwell TCRA. This sampling is discussed in Section 3.4.5 of the Area 1 SRI/FS Work Plan. USEPA approved this request on February 4.

Laboratory Data Received during the Period

- In February, ARCADIS received laboratory data for the surface water samples collected between January 22 and 30 (sample delivery group [SDG] TCRA115). Table A presents a list of the samples for which data were received. The April 2009 monthly report will present the validated data for these samples. This sampling is discussed in Section 3.4.5 of the Area 1 SRI/FS Work Plan.
- In February, ARCADIS received the remaining laboratory data for the Phase 2 sediment cores collected in Portage Creek in December 2008. Table B presents a list of samples for which data were received. The April 2009 monthly report will present the validated data for these samples. SDG SRI067 was received in February. This sampling is described in Section 3.4.1.3 of the Area 1 SRI/FS Work Plan.
- In February, ARCADIS received the laboratory data for the frozen sediment cores processed in December 2008 in accordance with the SRI Phase 2 sediment core analyses plan. Table C presents a list of samples for which data were received. The April 2009 monthly report will present the validated data for these samples. SDGs SRI068 through SRI078 were received in February.
- In February, ARCADIS received the laboratory data for the four sediment cores that were collected from the river as duplicates of cores collected in Phase 1 sampling at locations KPT 4-2, KPT 5-3, KPT 12-8, and KPT 16-8 in January. These cores were processed and sent to TestAmerica for TCL, TAL, and SEM/AVS analysis as outlined in Section 3.4.1.1 of the Area 1 SRI/FS Work Plan. Table D

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/
Kalamazoo River Superfund Site SRI/FS – Area 1**

REPORT #24, FEBRUARY 2009

presents a list of samples for which data were received. The April 2009 monthly report will present the validated data for these samples. SDG SRI079 and SRI080 were received in February.

- Validated data for the SDGs received in December are included in this monthly report. These data include the yearling smallmouth bass collected in the Otsego City Impoundment (Area 2) (SDG KAL457) (Table E) and surface water samples collected between November 13 and December 5 (SDGs TCRA100 and TCRA102) (Table F), and. This sampling is discussed in Section 3.4.5 of the Area 1 SRI/FS Work Plan. In accordance with Section 2.1 of the SOW, paper and electronic copies of these laboratory data are included as part of the monthly progress reports. Attachment A contains the validation reports for these data packages. The enclosed CD also contains the electronic data deliverable for these data.

Problems

- No problems were encountered.

Actions Taken to Correct Problems

- None.

Developments Anticipated during the Next Two Reporting Periods

- In March, ARCADIS is scheduled to submit the revised Conceptual Site Model (CSM) Report in response to USEPA and MDEQ comments received in November. The CSM is discussed in Section 1.2.1.4 of the SOW.
- In March, MDEQ is scheduled to provide comments on the revised Phase 2 work plan for the focused step-out sampling in Area 1. This sampling is described in Section 3.4.4 of the Area 1 SRI/FS Work Plan.
- In March, ARCADIS is scheduled to submit to USEPA the revised Phase 2 work plan for the Crown Vantage area and the revised Phase 2 work plan for the focused step-out sampling in Area 1. The Crown Vantage sampling is described in Section 3.4.3 of the Area 1 SRI/FS Work Plan. The focused step-out sampling is described in Section 3.4.4 of the Area 1 SRI/FS Work Plan.
- On March 2, ARCADIS, KRSG, USEPA and MDEQ are scheduled to participate in a conference call to discuss the Plainwell TCRA groundwater monitoring well construction program. A summary of the agreements reached during that call will be distributed to the participants. These wells are discussed in Section 3.4.6 of the Area 1 SRI/FS Work Plan.

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/
Kalamazoo River Superfund Site SRI/FS – Area 1**

REPORT #24, FEBRUARY 2009

- During the week of March 2, ARCADIS is scheduled to install monitoring wells in the Plainwell TCRA area. These wells are discussed in Section 3.4.6 of the Area 1 SRI/FS Work Plan.
- On March 4, ARCADIS, USFWS, MDNR and Dr. Allen Kurta are scheduled to perform an onsite search for Indiana Bat roost trees in the Plainwell No. 2 Dam Area.
- On March 6, ARCADIS is scheduled to collect additional soil samples in Former Georgia-Pacific Kalamazoo Mill Lagoons 4 and 5 for PCB analysis, in accordance with the February 24 sampling plan.
- During the week of March 9, ARCADIS is scheduled to perform the post-removal sediment sampling in the Plainwell TCRA area to document conditions now that the Water Control Structure (WCS) and Phase 2 Cofferdam are completely removed. This activity is described in Section 3.4.5 of the Area 1 SRI/FS Work Plan.
- In late March or early April, ARCADIS is scheduled to collect groundwater samples from the newly installed monitoring wells in the Plainwell TCRA area. These wells are discussed in Section 3.4.6 of the Area 1 SRI/FS Work Plan.
- In April, ARCADIS will forward to USEPA the validated data received in January as part of the March monthly report. This includes the surface water samples collected between December 7 and January 20 (SDGs TCRA104, TCRA106, TCRA108, TCRA110, TCRA112, and TCRA113) and the Phase 2 sediment cores collected in Portage Creek (SDGs SRI056 through SRI066). This sampling is discussed in Section 3.4.5 and Section 3.4.1.3 of the Area 1 SRI/FS Work Plan, respectively.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #24, February 2009

Table A — Upstream/Downstream Surface Water Sampling — Plainwell
TCRA — Data Received in February 2009

Sample ID	Sample Date	Data Received	SDG	Sample Location
K31097	1/22/2009	2/6/2009	TCRA115_SDSP	Farmer Street Bridge
K31098	1/22/2009	2/6/2009	TCRA115_SDSP	10th Street Bridge
K31099	1/24/2009	2/6/2009	TCRA115_SDSP	Farmer Street Bridge
K31100	1/24/2009	2/6/2009	TCRA115_SDSP	10th Street Bridge
K31101	1/26/2009	2/6/2009	TCRA115_SDSP	Farmer Street Bridge
K31102	1/26/2009	2/6/2009	TCRA115_SDSP	10th Street Bridge
K31103	1/28/2009	2/6/2009	TCRA115_SDSP	Farmer Street Bridge
K31104	1/28/2009	2/6/2009	TCRA115_SDSP	10th Street Bridge
K31105	1/30/2009	2/6/2009	TCRA115_SDSP	Farmer Street Bridge
K31106	1/30/2009	2/6/2009	TCRA115_SDSP	10th Street Bridge

Notes:

SDG - Sample Delivery Group.

All samples analyzed by TestAmerica Laboratories, Inc. for PCBs and TSS.

Duplicate samples are in brackets.

¹MS/MSD performed on this sample.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #24, February 2009

Table B — Phase 2 Sediment Cores in Portage Creek — Data Received in February 2009

Location	Sample ID	Interval (inches)	SDG
PCT03-3	K56006	0-2	SRI067
	K56007	2-6	SRI067
	K56008	6-12	SRI067
	K56009	12-15	SRI067
PCT24-1	K55995	2-6	SRI067
	K55996	6-12	SRI067
	K55997	12-25	SRI067
	K55998	25-31	SRI067
	K55999	31-35	SRI067
PPT10-2	K56000	0-2	SRI067
	K56001	2-7	SRI067
	K56002	7-12	SRI067
	K56003 ¹ [K56215]	12-21	SRI067 [SRI067]
	K56004	21-23	SRI067
	K56005	23-26	SRI067

Notes:

All cores were processed on December 12, 2008.

All samples sent to TestAmerica Laboratories, Inc. for PCB, TOC, grain size, percent solids analysis.

Duplicate samples are in brackets.

¹MS/MSD performed on this sample.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #24, February 2009

Table C — Phase 2 Frozen Sediment Cores from Kalamazoo River —
Data Received in February 2009

Date Processed	Location	Sample ID	Interval (inches)	SDG
12/15/2008	KRT5-4	K56018	0-2	SRI068
		K56019	2-6	SRI068
		K56020	6-12	SRI068
		K56021	12-24	SRI068
		K56022	24-32	SRI068
	KRT6-2	K56064	0-2	SRI071
		K56065	2-6	SRI071
		K56066	6-12	SRI071
		K56067	12-20	SRI071
		K56068	20-24	SRI071
		K56069 ¹ [K56218]	24-34	SRI071 [SRI071]
	KRT6-7	K56085	0-2	SRI072
		K56086	2-6	SRI072
		K56087	6-12	SRI072
		K56088	12-19	SRI072
		K56089	19-23	SRI072
	KRT8-2	K56070	0-2	SRI071
		K56071	2-6	SRI071
		K56072	6-12	SRI071
		K56073	12-21	SRI071
		K56074	21-31	SRI071
	KRT8-8	K56090	0-2	SRI072
		K56091	2-6	SRI072
		K56092	6-12	SRI072
		K56093	12-21	SRI072
	KRT10-1	K56080	0-2	SRI071
		K56081	2-6	SRI071
		K56082	6-12	SRI071
		K56083 ¹ [K56220]	12-24	SRI073 [SRI072]
		K56084	24-26	SRI072
	KRT11-1	K56037	0-2	SRI069
		K56038	2-6	SRI069
		K56039	6-12	SRI069
		K56040	12-19	SRI069
	KRT11-5	K56062	0-3	SRI070
	KRT11-8	K56010	0-2	SRI068
		K56011	2-6	SRI068
		K56012	6-12	SRI068
		K56013	12-24	SRI068
		K56014	24-32	SRI068
		K56015	32-36	SRI068
		K56016	36-48	SRI068
		K56017	48-51	SRI068
	KRT12-1	K56033	0-2	SRI069
		K56034	2-6	SRI069
		K56035	6-12	SRI069
		K56036	12-21	SRI069

See Notes on Page 5.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #24, February 2009

Table C — Phase 2 Frozen Sediment Cores from Kalamazoo River —
Data Received in February 2009

Date Processed	Location	Sample ID	Interval (inches)	SDG
12/15/2008 (Cont.)	KRT12-4	K56023	0-2	SRI068
		K56024	2-6	SRI068
		K56025	6-12	SRI068
		K56026 ¹ [K56216]	12-24	SRI068 [SRI068]
		K56027	24-33	SRI068
	KRT12-8	K56075	0-2	SRI071
		K56076	2-6	SRI071
		K56077	6-12	SRI071
		K56078 ¹ [K56219]	12-24	SRI072 [SRI071]
		K56079	24-31	SRI071
	KRT13-8	K56055	0-2	SRI070
		K56056	2-6	SRI070
		K56057	6-10	SRI070
	KRT14-1	K56063	0-2	SRI070
	KRT14-5	K56041	0-2	SRI069
		K56042	2-6	SRI069
		K56043	6-12	SRI069
		K56044	12-16	SRI069
	KRT14-7	K56058	0-2	SRI070
		K56059	2-5	SRI070
	KRT15-4	K56060	0-2	SRI070
		K56061	2-5	SRI070
	KRT15-8	K56028	0-2	SRI068
		K56029	2-6	SRI069
		K56030	6-12	SRI069
		K56031 ¹ [K56217]	12-24	SRI069 [SRI069]
		K56032	24-35	SRI069
	KRT16-1	K56045	0-2	SRI069
		K56046	2-6	SRI069
		K56047	6-13	SRI069
	KRT16-6	K56052	0-2	SRI070
		K56053	2-6	SRI070
		K56054	6-13	SRI070
	KRT16-8	K56048	0-2	SRI070
		K56049	2-6	SRI070
		K56050	6-12	SRI070
		K56051	12-14	SRI070
12/16/2008	KRT6-8	K56103	0-2	SRI073
		K56104	2-6	SRI073
		K56105	6-12	SRI073
		K56106	12-16	SRI073
	KRT7-1	K56094	0-2	SRI072
		K56095	2-6	SRI072
		K56096	6-12	SRI072
		K56097	12-15	SRI072
		K56098	15-23	SRI072

See Notes on Page 5.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #24, February 2009

Table C — Phase 2 Frozen Sediment Cores from Kalamazoo River —
Data Received in February 2009

Date Processed	Location	Sample ID	Interval (inches)	SDG
12/16/2008 (Cont.)	KRT7-5	K56122	0-2	SRI074
		K56123	2-6	SRI074
		K56124	6-9	SRI074
	KRT8-1	K56111	0-2	SRI073
		K56112	2-6	SRI073
		K56113	6-12	SRI073
		K56114	12-14	SRI073
	KRT8-5	K56115	0-2	SRI073
		K56116	2-6	SRI073
		K56117	6-12	SRI073
		K56118	12-14	SRI073
	KRT9-2	K56119	0-2	SRI073
		K56120	2-6	SRI073
		K56121	6-11	SRI074
	KRT9-5	K56107	0-2	SRI073
		K56108	2-6	SRI073
		K56109	6-12	SRI073
		K56110	12-15	SRI073
	KRT9-8	K56130	0-2	SRI074
		K56131	2-5	SRI074
	KRT10-2	K56125	0-2	SRI074
		K56126	2-6	SRI074
		K56127	6-8	SRI074
	KRT10-5	K56099	0-2	SRI072
		K56100	2-6	SRI072
		K56101	6-12	SRI072
		K56102	12-18	SRI073
	KRT13-1	K56128	0-2	SRI074
		K56129	2-5	SRI074
12/17/2008	KRT1-4	K56186	0-2	SRI077
		K56187	2-6	SRI077
		K56188	6-12	SRI077
		K56189	12-15	SRI077
	KRT1-6	K56174	0-2	SRI076
		K56175	2-6	SRI076
		K56176	6-12	SRI076
		K56177	12-19	SRI076
	KRT2-2	K56132	0-2	SRI074
		K56133	2-6	SRI074
		K56134	6-12	SRI074
		K56135	12-24	SRI074
		K56136 ¹ [K56221]	24-36	SRI074 [SRI074]
		K56137	36-48	SRI074
		K56138	48-60	SRI074
		K56139	60-64	SRI074

See Notes on Page 5.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #24, February 2009

Table C — Phase 2 Frozen Sediment Cores from Kalamazoo River —
Data Received in February 2009

Date Processed	Location	Sample ID	Interval (inches)	SDG
12/17/2008 (Cont.)	KRT2-6	K56160	0-2	SRI076
		K56161	2-6	SRI076
		K56162	6-12	SRI076
		K56163 ¹ [K56225]	12-22	SRI078 [SRI076]
		K56164	22-27	SRI076
	KRT2-7	K56194	0-2	SRI077
		K56195	2-6	SRI077
		K56196	6-10	SRI077
	KRT2-8	K56155	0-2	SRI075
		K56156	2-6	SRI075
		K56157	6-12	SRI075
		K56158 ¹ [K56224]	12-24	SRI077 [SRI076]
		K56159	24-36	SRI075
	KRT3-1	K56182	0-2	SRI077
		K56183	2-6	SRI077
		K56184	6-10	SRI077
		K56185	10-14	SRI077
	KRT3-4	K56197	0-2	SRI078
		K56198	2-6	SRI078
		K56199	6-9	SRI078
	KRT3-8	K56165	0-2	SRI076
		K56166	2-6	SRI076
		K56167	6-12	SRI076
		K56168	12-16	SRI076
		K56169	16-26	SRI076
	KRT4-2	K56140	0-2	SRI075
		K56141	2-4	SRI075
		K56142	4-6	SRI075
		K56143	6-12	SRI075
		K56144 ¹ [K56222]	12-24	SRI075 [SRI075]
		K56145	24-27	SRI075
		K56146	27-36	SRI075
		K56147	36-48	SRI075
		K56148	48-54	SRI075
	KRT4-5	K56178	0-2	SRI077
		K56179	2-6	SRI077
		K56180	6-12	SRI077
		K56181	12-15	SRI077
	KRT4-8	K56190	0-2	SRI077
		K56191	2-6	SRI077
		K56192	6-12	SRI077
		K56193	12-19	SRI077
	KRT5-1	K56170	0-2	SRI076
		K56171	2-6	SRI076
		K56172	6-12	SRI076
		K56173	12-22	SRI076

See Notes on Page 5.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #24, February 2009

Table C — Phase 2 Frozen Sediment Cores from Kalamazoo River —
Data Received in February 2009

Date Processed	Location	Sample ID	Interval (inches)	SDG
12/17/2008 (Cont.)	KRT5-3	K56149	0-2	SRI075
		K56150	2-6	SRI075
		K56151	6-12	SRI075
		K56152 ¹ [K56223]	12-24	SRI076 [SRI075]
		K56153	24-36	SRI075
		K56154	36-48	SRI075
	KRT15-1	K56200	0-2	SRI078
		K56201	2-6	SRI078
		K56202	6-9	SRI078

Notes:

All samples sent to TestAmerica Laboratories Inc. for PCB, TOC, and grain size analysis.

Duplicate samples are in brackets.

¹MS/MSD performed on this sample.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #24, February 2009

Table D — Phase 2 Sediment Cores from Kalamazoo River —
Data Received in February 2009

Date Processed	Location	Sample ID	Interval (inches)	SDG
1/6/2009	KRT 4-2	K56240 ¹	0-2	SRI079
		K56241	2-6	SRI080
		K56242	6-12	SRI080
		K56243 ¹	12-24	SRI080
		K56244	24-36	SRI080
		K56245	36-48	SRI080
		K56246	48-60	SRI080
	KRT 5-3	K56232 [K56233]	0-2	SRI079 [SRI079]
		K56234	2-6	SRI079
		K56235	6-12	SRI079
		K56236	12-24	SRI079
		K56237 [K56238]	24-36	SRI080 [SRI080]
		K56239	36-39	SRI080
	KRT 12-8	K56226	0-2	SRI079
		K56227	2-6	SRI079
		K56228	6-12	SRI079
		K56229	12-24	SRI079
		K56230	24-36	SRI079
		K56231	36-39	SRI079
	KRT 16-8	K56247	0-2	SRI079
		K56248	2-6	SRI080
		K56249	6-12	SRI080

Notes:

All samples sent to TestAmerica Laboratories Inc. for TCL/TAL, AVS, and SEM analysis.
Duplicate samples are in brackets.

¹ MS/MSD performed on this sample.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #24, February 2009

Table E — Results for Smallmouth Bass - Otsego City Impoundment - Samples Collected in November 2008

Sample Name: Date Collected: Location ID:	Units	SMB-13 11/10/08 ABSA-06	SMB-14 11/10/08 ABSA-06	SMB-15 11/10/08 ABSA-06	SMB-16 11/10/08 ABSA-06	SMB-17 11/10/08 ABSA-06	SMB-18 11/10/08 ABSA-06	SMB-19 11/10/08 ABSA-06
PCB Aroclors								
Aroclor-1016	ug/kg	200 U	200 U	200 U	250 U	200 U	200 U	200 U
Aroclor-1221	ug/kg	200 U	200 U	200 U	250 U	200 U	200 U	200 U
Aroclor-1232	ug/kg	200 U	200 U	200 U	250 U	200 U	200 U	200 U
Aroclor-1242	ug/kg	1100	890	700	810	640	790	790
Aroclor-1248	ug/kg	200 U	200 U	200 U	250 U	200 U	200 U	200 U
Aroclor-1254	ug/kg	1800	1400	1100	1200	1000	1100	980
Aroclor-1260	ug/kg	270	200	170 J	190 J	270	270	300
Total PCBs	ug/kg	3200	2500	2000 J	2200 J	1900	2200	2100
Miscellaneous								
Percent Lipids	%	2.1	2	1.6	2.1	1.9	2.1	1.9

Notes:

J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

Data received in December 2008.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #24, February 2009

Table F — Results for Upstream/Downstream Surface Water — Plainwell TCRA — Samples Collected in November and December 2008

Sample I.D.: Location ID: Sample Date:	Units	K31029 11/13/08 Farmer Street	K31030 11/13/08 10th Street	K31031 11/15/08 Farmer Street	K31032 11/15/08 10th Street	K31033 11/17/08 Farmer Street	K31034 11/17/08 10th Street	K31035 11/19/08 Farmer Street
PCB Aroclors								
Aroclor-1016	µg/L	0.053 U	0.052 U	0.052 U	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]
Aroclor-1221	µg/L	0.053 U	0.052 U	0.052 U	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]
Aroclor-1232	µg/L	0.053 U	0.052 U	0.052 U	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]
Aroclor-1242	µg/L	0.053 U	0.052 U	0.052 U	0.052 U	0.028 J	0.050 U	0.026 J [0.030 J]
Aroclor-1248	µg/L	0.053 U	0.052 U	0.077	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]
Aroclor-1254	µg/L	0.053 U	0.052 U	0.052 U	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]
Aroclor-1260	µg/L	0.053 U	0.052 U	0.052 U	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]
Total PCBs	µg/L	0.053 U	0.052 U	0.077	0.052 U	0.028 J	0.050 U	0.026 J [0.030 J]
Miscellaneous								
Total Suspended Solids	mg/L	1	2.7	5.1	2.8	4.5	1.7	6.7 [7.7]

See Notes on Page 3.

**Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #24, February 2009**

**Table F — Results for Upstream/Downstream Surface Water — Plainwell TCRA — Samples Collected in
November and December 2008**

Sample I.D.: Location ID: Sample Date:	Units	K31037 11/19/08 10th Street	K31038 11/21/08 Farmer Street	K31039 11/21/08 10th Street	K31040 11/23/08 Farmer Street	K31041 11/23/08 10th Street	K31042 11/25/08 Farmer Street	K31043 11/25/08 10th Street
PCB Aroclors								
Aroclor-1016	µg/L	0.059 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1221	µg/L	0.059 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1232	µg/L	0.059 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1242	µg/L	0.059 U	0.034 J	0.050 U	0.041 J	0.050 U	0.030 J	0.050 U
Aroclor-1248	µg/L	0.059 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1254	µg/L	0.059 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1260	µg/L	0.059 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Total PCBs	µg/L	0.059 U	0.034 J	0.050 U	0.041 J	0.050 U	0.030 J	0.050 U
Miscellaneous								
Total Suspended Solids	mg/L	1.2	4.1	1.6	4.2	1.9	4.7	1.9

See Notes on Page 3.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #24, February 2009

Table F — Results for Upstream/Downstream Surface Water — Plainwell TCRA — Samples Collected in November and December 2008

Sample I.D.: Location ID: Sample Date:	Units	K31044 11/29/08 Farmer Street	K31045 11/29/08 10th Street	K31046 12/01/08 Farmer Street	K31047 12/01/08 10th Street	K31048 12/03/08 Farmer Street	K31049 12/03/08 10th Street	K31050 12/05/08 Farmer Street	K31052 12/05/08 10th Street
PCB Aroclors									
Aroclor-1016	µg/L	0.052 U	0.052 U	0.051 U	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]	0.050 U
Aroclor-1221	µg/L	0.052 U	0.052 U	0.051 U	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]	0.050 U
Aroclor-1232	µg/L	0.052 U	0.052 U	0.051 U	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]	0.050 U
Aroclor-1242	µg/L	0.027 J	0.052 U	0.051 U	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]	0.050 U
Aroclor-1248	µg/L	0.052 U	0.052 U	0.051 U	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]	0.050 U
Aroclor-1254	µg/L	0.052 U	0.052 U	0.051 U	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]	0.050 U
Aroclor-1260	µg/L	0.052 U	0.052 U	0.051 U	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]	0.050 U
Total PCBs	µg/L	0.027 J	0.052 U	0.051 U	0.052 U	0.050 U	0.050 U	0.050 U [0.050 U]	0.050 U
Miscellaneous									
Total Suspended Solids	mg/L	5.1	1.4	4.1	1.9	4	1.5	3.5 [3.1]	1.2

Notes:

J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

NA - Not analyzed.

Duplicate results are in brackets.

Data received in December 2008.